

Application Note

Flunitrazepam and Related Compounds

Waters Corporation



This is an Application Brief and does not contain a detailed Experimental section.

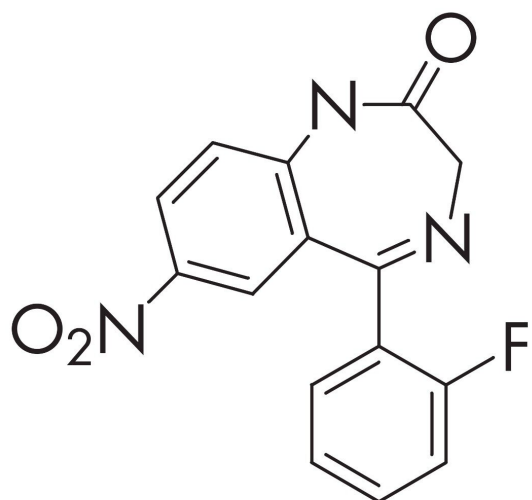
Abstract

This application brief demonstrates analysis of flunitrazepam and related compounds.

Introduction

The compounds used in this study are –

1. 7-Aminonitrazepam
2. 7-Aminoclonazepam
3. 7-Aminoflunitrazepam
4. Nitrazepam
5. Clonazepam
6. Flunitrazepam



Flunitrazepam

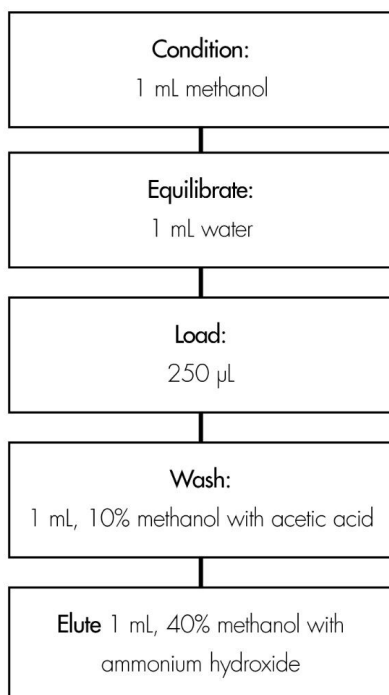
Experimental

HPLC Method

Column:	Symmetry Shield RP ₈ , 3.9 x 150 mm, 5 μm
Part number:	WAT200655
Mobile phase:	Water/Acetonitrile 70:30
Flow rate:	1.5 mL/min
Injection volume:	100 μL
Temperature:	Ambient
Detection:	UV @ 220 nm

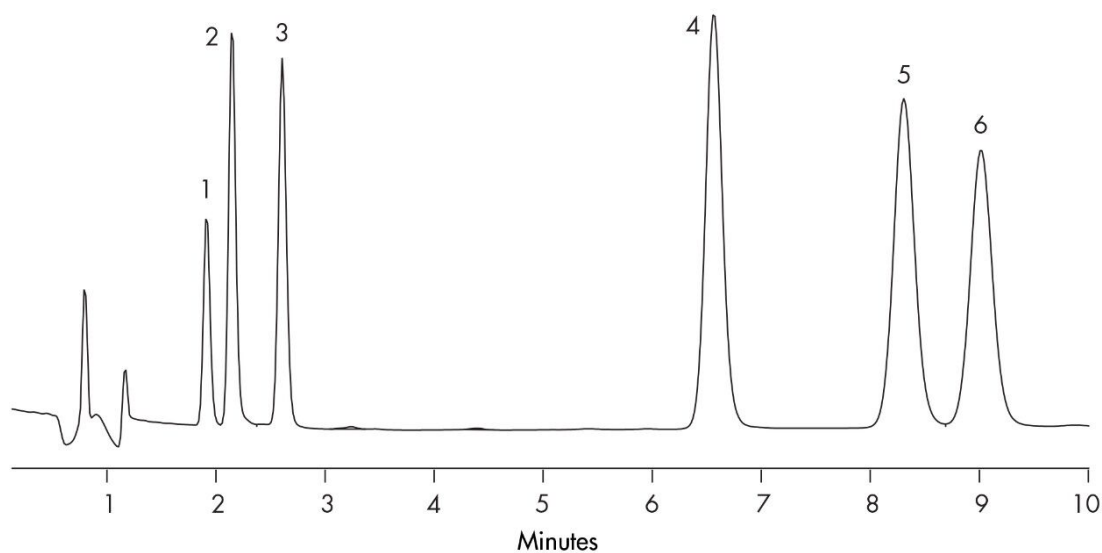
Oasis® HLB Extraction Method

Oasis® HLB Extraction Plate, 30 mg 96-well
Part Number WAT058951



Results and Discussion

Compounds	% Recovery
7-Amino Nitrazepam	118
7-Amino Clonazepam	100
7-Amino Flunitrazepam	95.9
Nitrazepam	93.7
Clonazepam	101
Flunitrazepam	85.9



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WA31763.86, June 2003

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